



Form PTO-1449				ATTY. DOCKET NO. 0171-1014P		APPLICATION NO. 10/647,481			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				APPLICANT Noriyuki MEGURIYA et al.					
				FILING DATE August 26, 2003		GROUP Unknown 1712			
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
g	US 2002/0105728	A1	2002-08-08	Yamaguchi et al.	X				
	US 4,547,544		1985-10-15	Allardice					
	US								
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	US								
	US								
	US								
FOREIGN PATENT DOCUMENTS									
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
g	EPO	04-314771	A	1992-11-05	JAPAN	X		YES	NO
	EPO	62-173220	A	1987-07-30	JAPAN			abs	
OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)									
EXAMINER	KuhPeg				DATE CONSIDERED 4/8/04				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									

8/26/03

Sheet 1 of 1 (8/26/03)

Form PTO-1449				ATTY DOCKET NO. 0171-1014P		APPLICATION NO. New			
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U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
Kyp	US 4,678,688		1987-07-07	ITOH ET AL.					
	US								
	US								
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FOREIGN PATENT DOCUMENTS									
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
Kyp	JP	63-60071	B2	1988-11-22	JAPAN			ABS	
	JP	3-11248	B2	1991-02-15	JAPAN			ABS	
	JP	2-9069	B2	1990-02-28	JAPAN			ABS	
	JP	6-86584	B2	1994-11-02	JAPAN			ABS	
	JP	2-49082	A	1990-02-19	JAPAN			ABS	
OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)									
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ADM/rwl